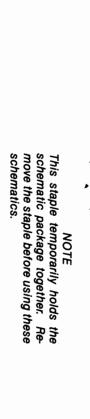
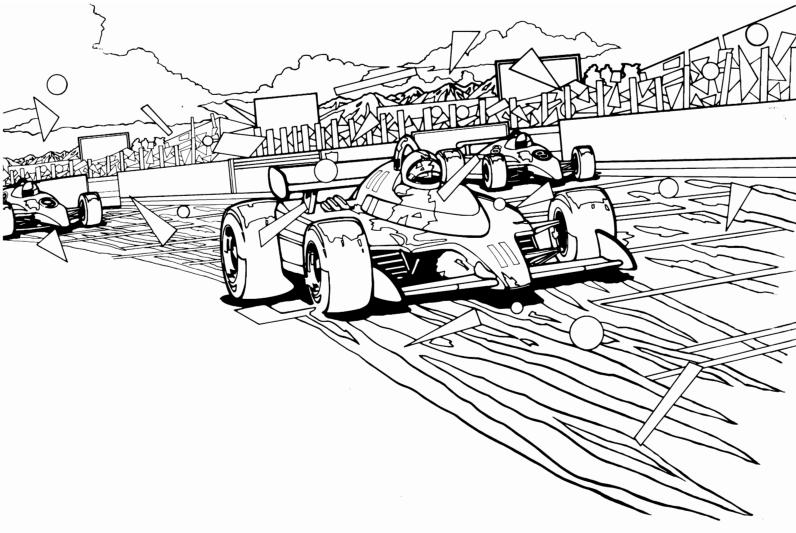
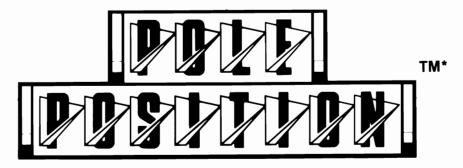
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Schematic Package Supplement to

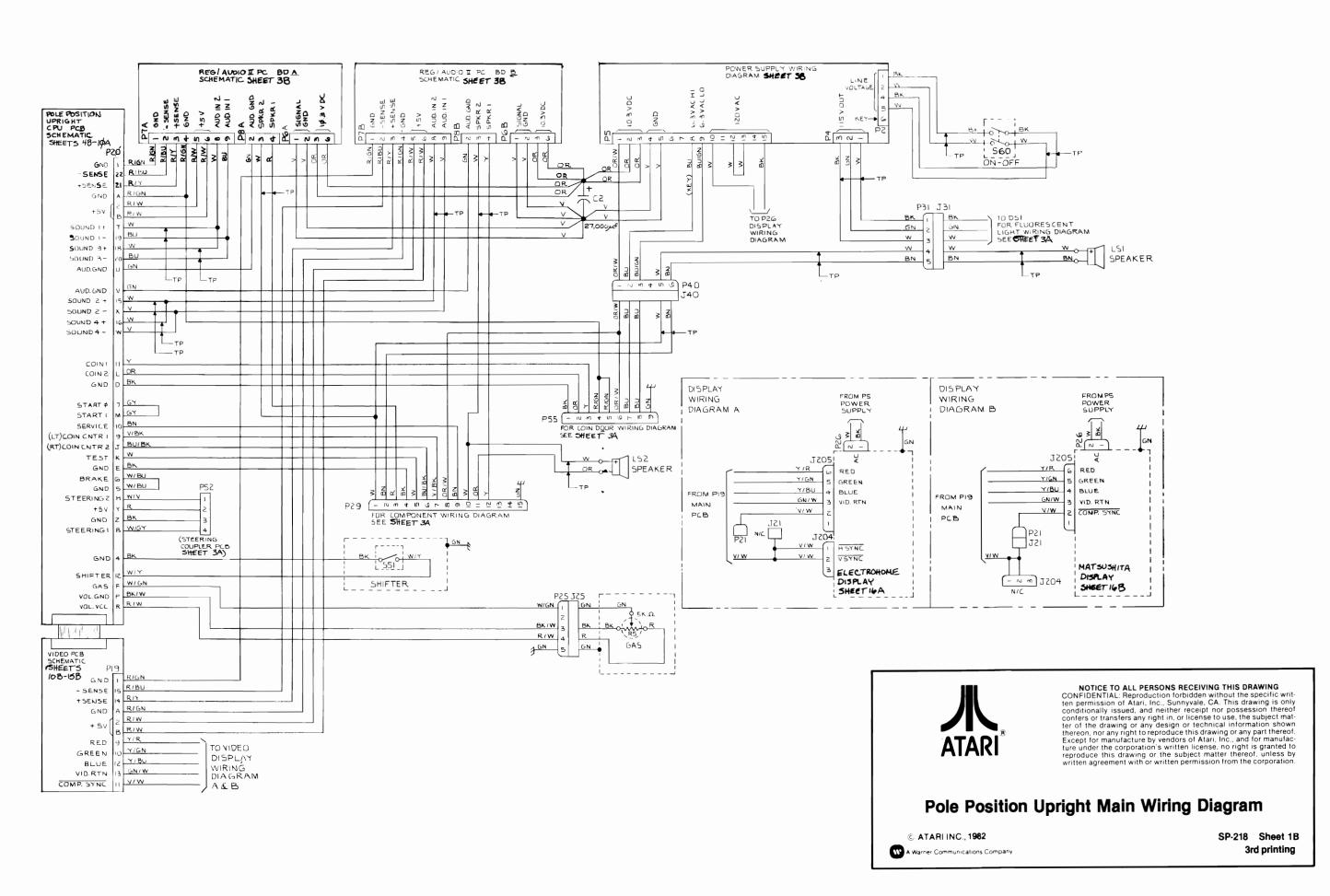


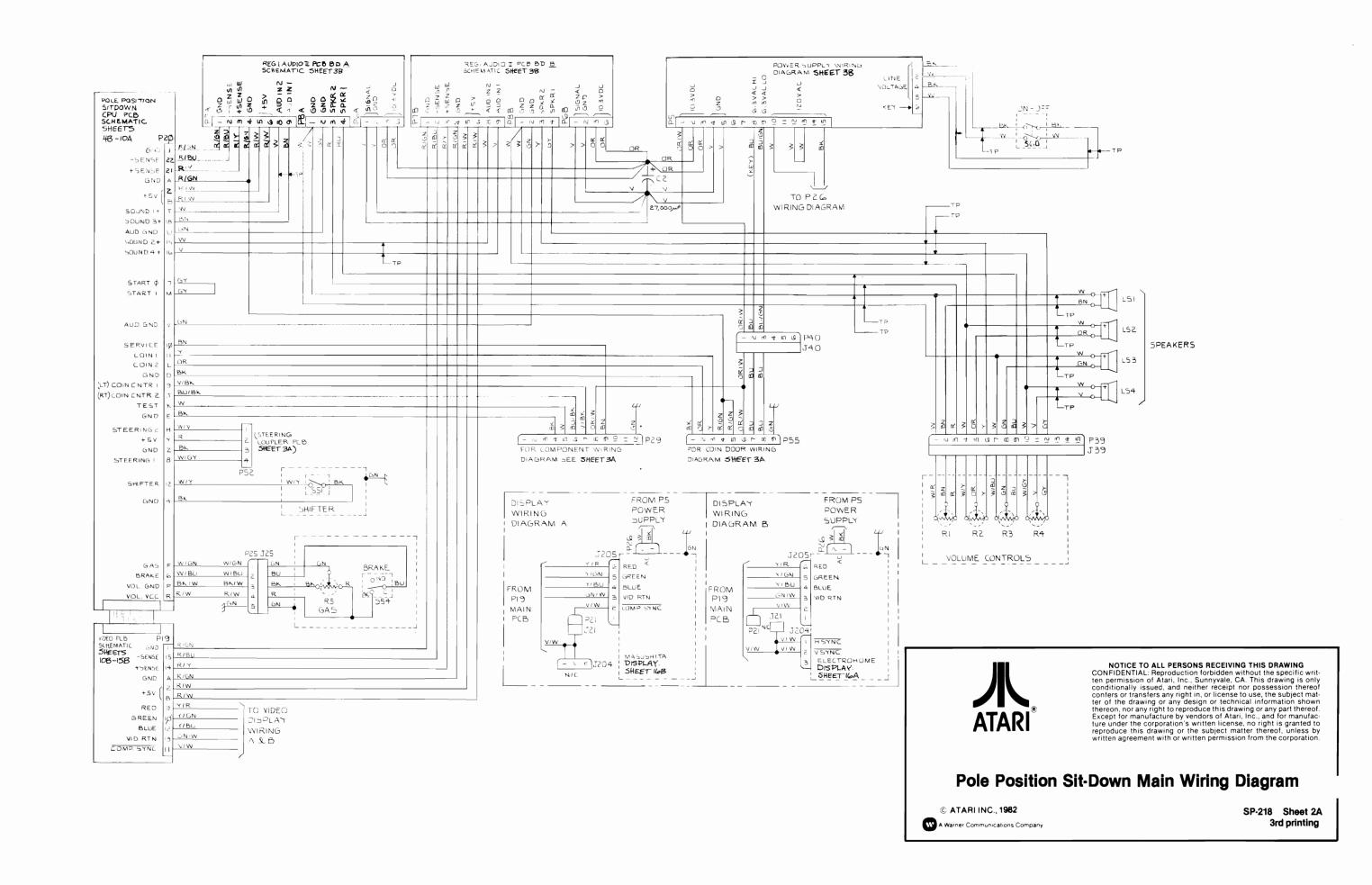
Operation, Maintenance, and Service Manual

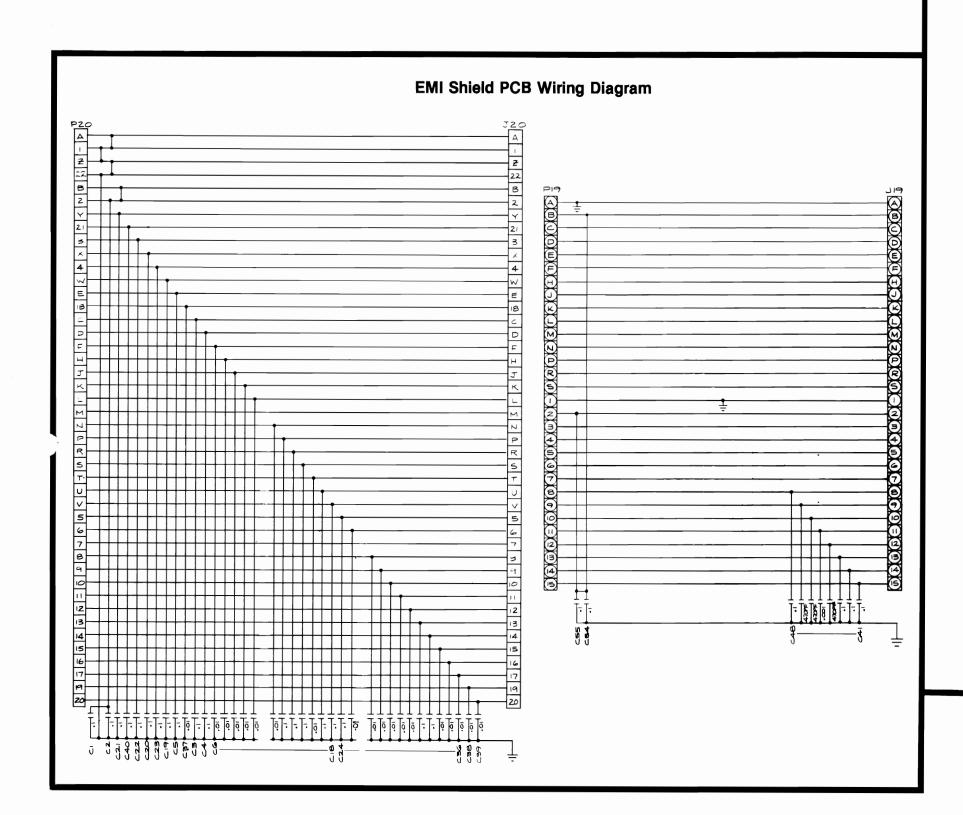
*Pole Position is engineered and designed by Namco Ltd. Manufactured under license by Atari, Inc.

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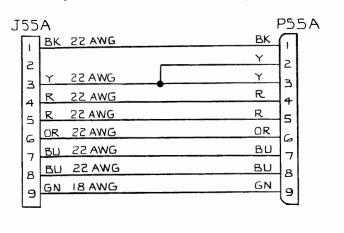




EMI End PCB Wiring Diagram



Coin Option Interconnect Wiring Diagram



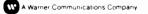


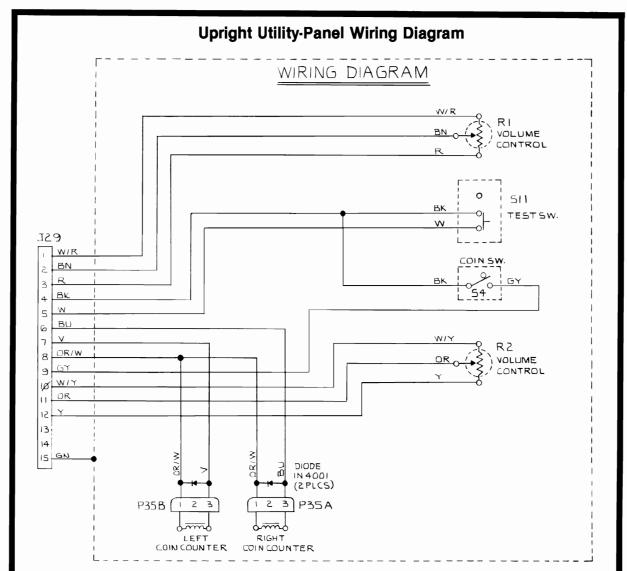
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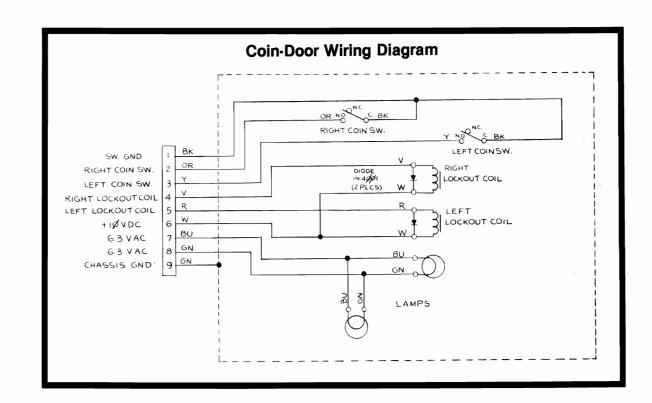
Pole Position Game Wiring Interfaces

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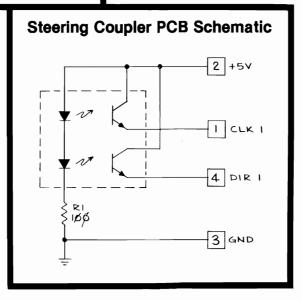
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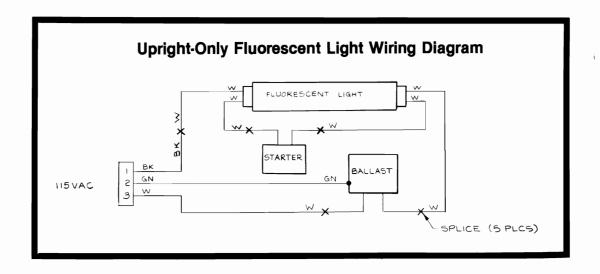






Sit-Down Utility-Panel Wiring Diagram 511 I TEST SW W/BK WIEK DIODE IN 4001 (2 PLCS) P35A (1 2 3) 1 2 3 P35B COINSW my GN RIGHT LEFT COIN COUNTER COIN COUNTER





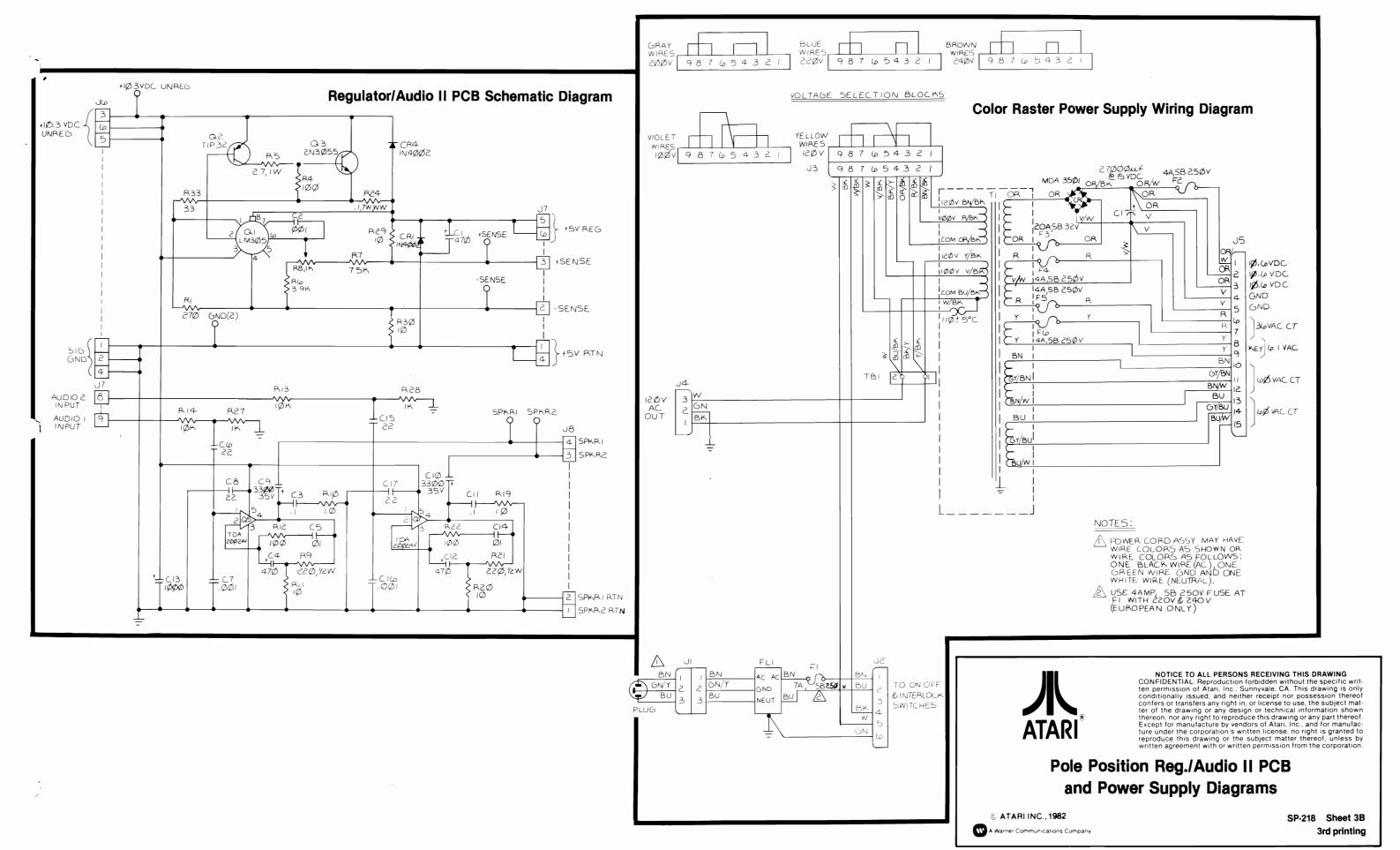


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Pole Position Game Wiring Interfaces

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MEMORY MAP

CPU 1 AND 2

HEXADECIMAL ADDRESS	READ/ WRITE	FUNCTION		
0000-37FFF 4000-7FFF	R R	Program Memory Program Memory		
8000-8FFF (8700-87FF) (8F00-8FFF)	R/W	Motion Object Memory Vertical and Horizontal Position Character, Color, Vertical Size, Horizontal Size		
9000-97FF (9000-93FF) (9700-97FF	R/W	Road Memory Character Horizontal Scroll		
9800-9FFF A000-AFFF)	R/W R/W	Alphanumeric Memory View Character Memory		
C000 C100	W W	View Horizontal Position Road Vertical Position		

CPU₃

HEXADECIMAL ADDRESS	READ/ WRITE	FUNCTION	
0000-1FFF 2000-2FFF 3000-37FF	R R R/W	Program Memory Program Memory Battery Back-Up RAM	
4000-43FF (4380-43FF)	R/W	Motion Object Memory Vertical and Horizontal Position	
4400-47FF (4780-47FF)	R/W	Motion Object Memory Character, Color, Vertical Size, Horizontal Size	
4800-48FF (4800-49FF) (4B80-4BFF	R/W	Road Memory Character Horizontal Scroll	
4C00-57FF (4C00-4FFF) (5000-53FF)	R/W	Alphanumeric Memory Alphanumeric View Character	
8000-83FF (83C0-83FF)	R/W	Sound Memory Sound	
9000 A000	R/W R/W	4-Bit CPU Controller Input/Output	
A000	W R	IRQ Enable (1 = enable, 0 = disable) Bit 0: Not Used Bit 1: 128 V Bit 2: Power-Line Sense Bit 3: ADC End Flag	
A001 A002 A003 A004 A005 A006 S007	& & & & & & & & &	4-Bit CPU Enable Sound Enable ADC Input Select CPU 1 Enable CPU 2 Enable Start Switch Color Enable	
A100 A200 A300	W W W	Watchdog Reset Car Sound (Lower Nybble) Car Sound (Upper Nybble)	

Schematic Reference Designators and Symbols

Logic symbols depict the logic function performed by that particular device and may differ from the manufacturer's data.

REFEREN	ICE DESIGNATORS:	WIRE COLORS:	
C CR F J	Capacitor Diode, signal or rectifier Fuse Connector	R GN Y W	Red Green Yellow White
L LS P Q	Inductor, fixed or variable Speaker Connector Transistor or silicon-controlled rectifier	BU BN BK OR V	Blue Brown Black Orange Violet
R S T TP	Resistor, fixed or variable Switch Transformer Twisted wire pair	ĞY	Gray
VR	Voltage regulator		

Electrical components shown on the schematic diagrams are in the following units unless otherwise noted:

Capacitors = microfarads (μ f) Resistors = ohms (Ω) Inductors = microhenrys (μ h)

Crystal

SYMBOLS:





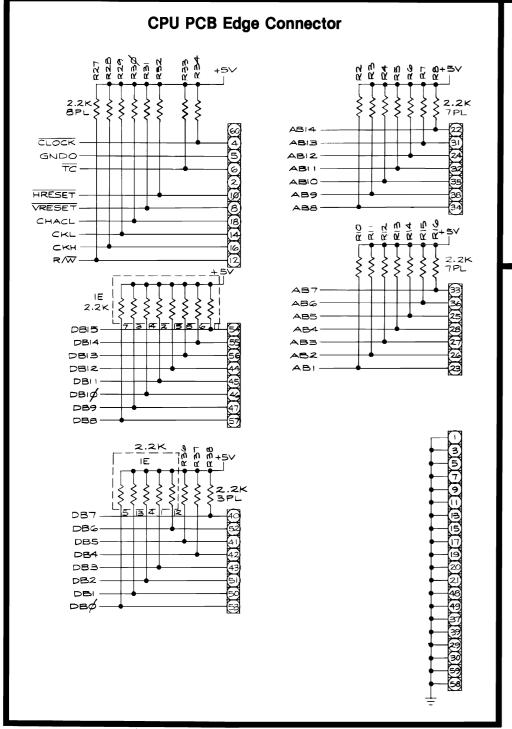
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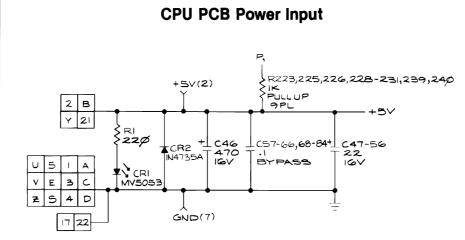
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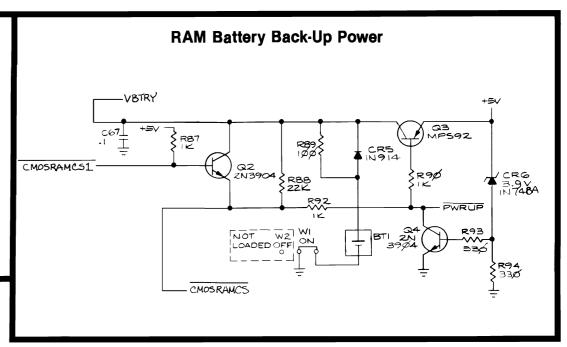
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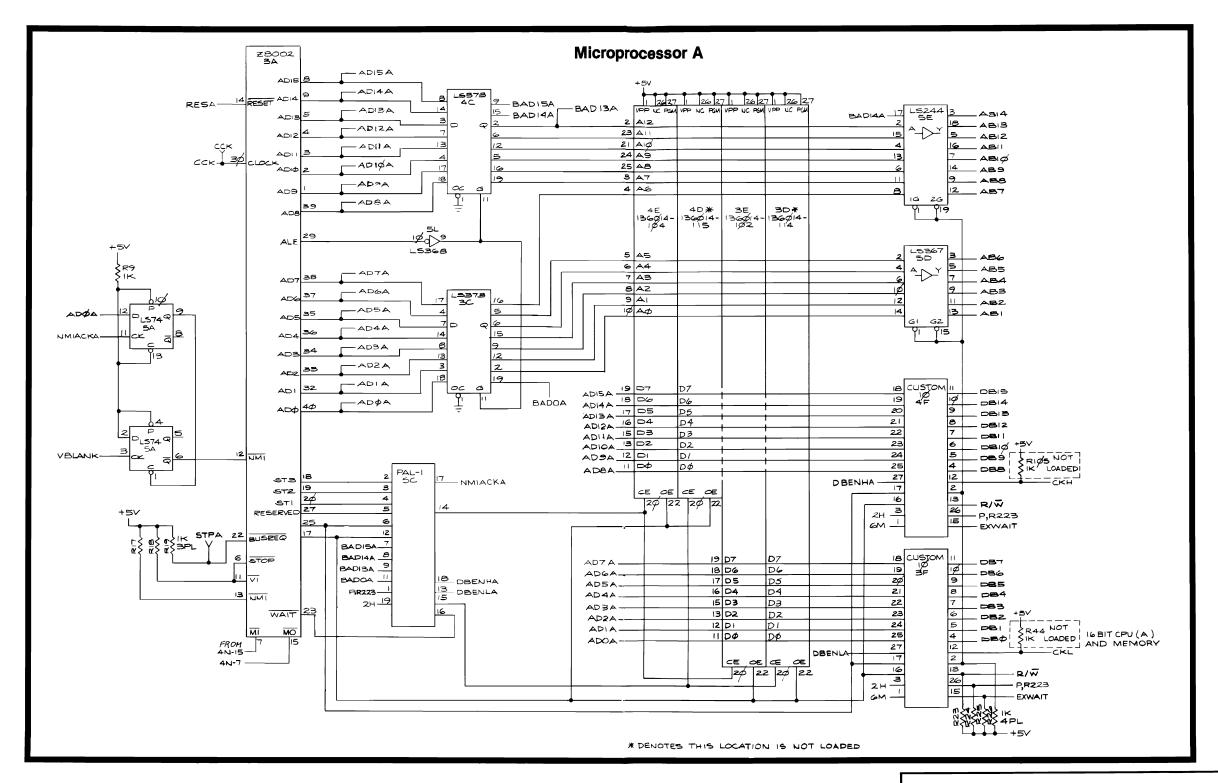


Pole Position CPU PCB Schematic Diagram

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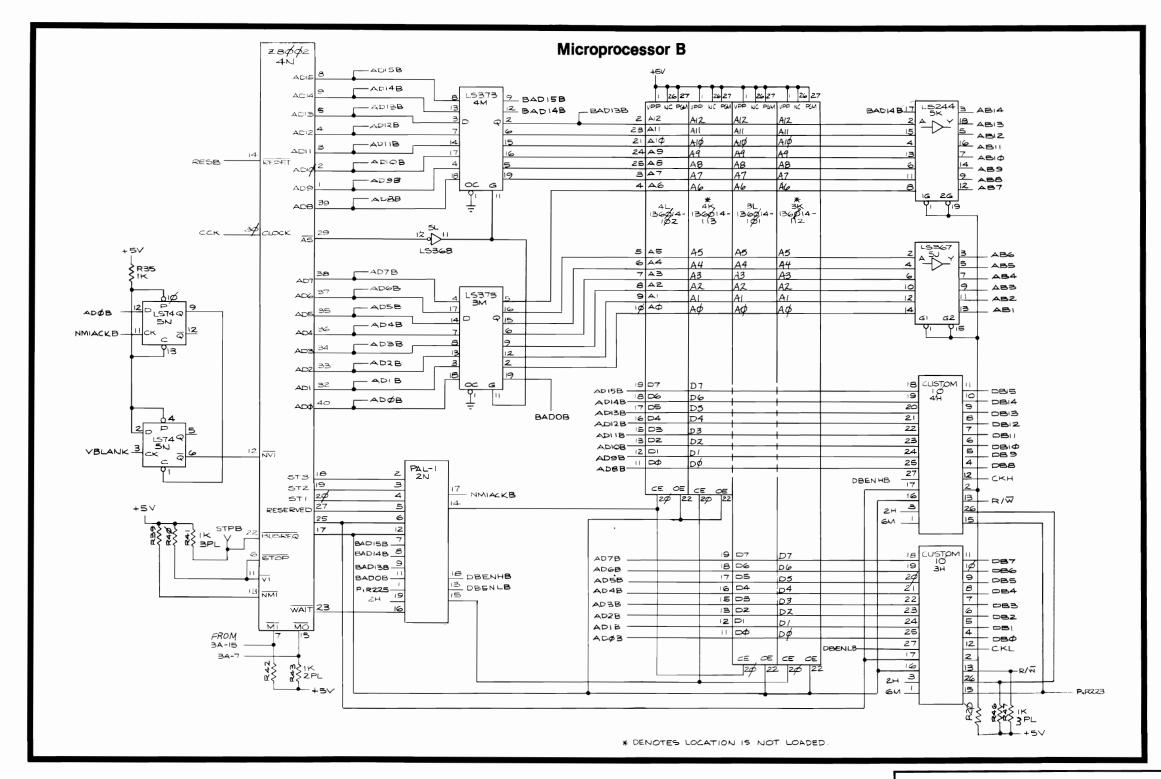




Pole Position CPU PCB Schematic Diagram

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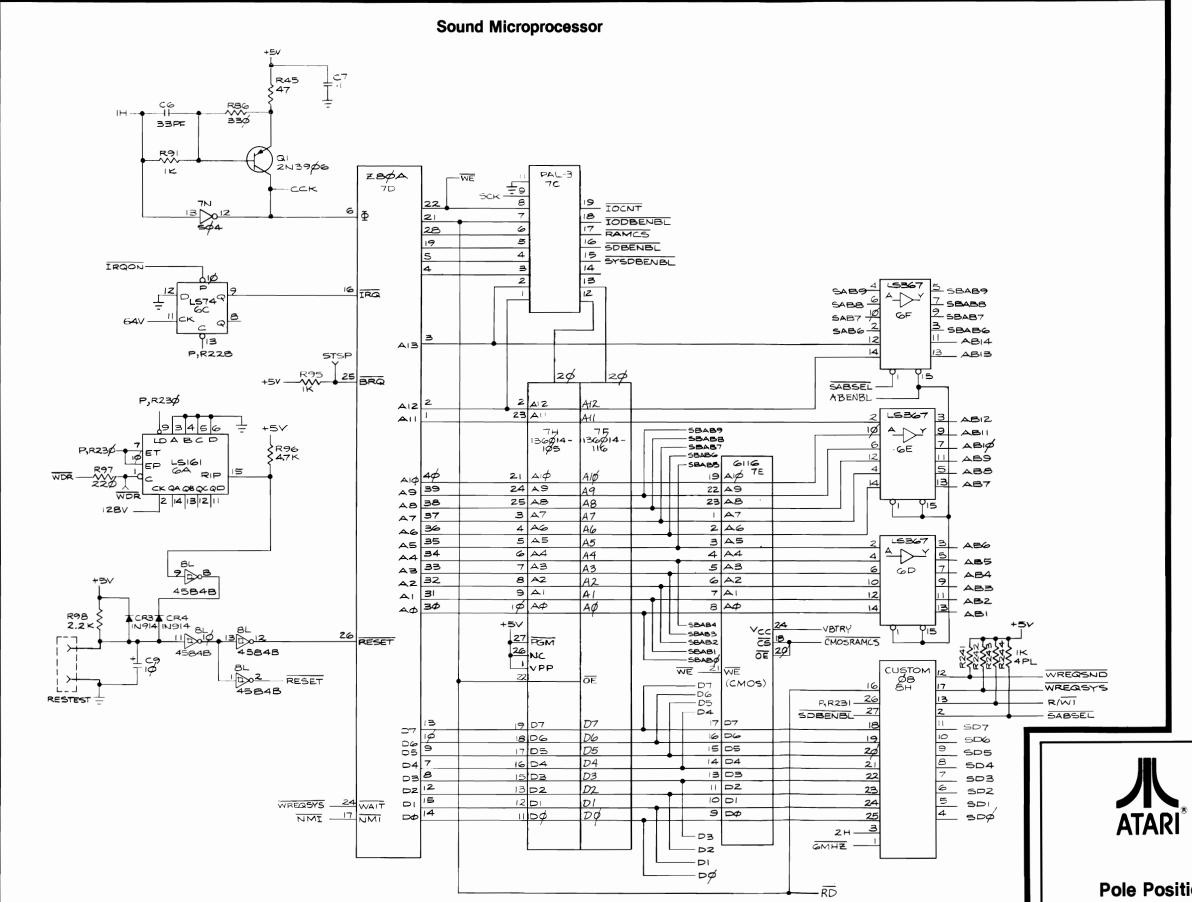






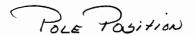
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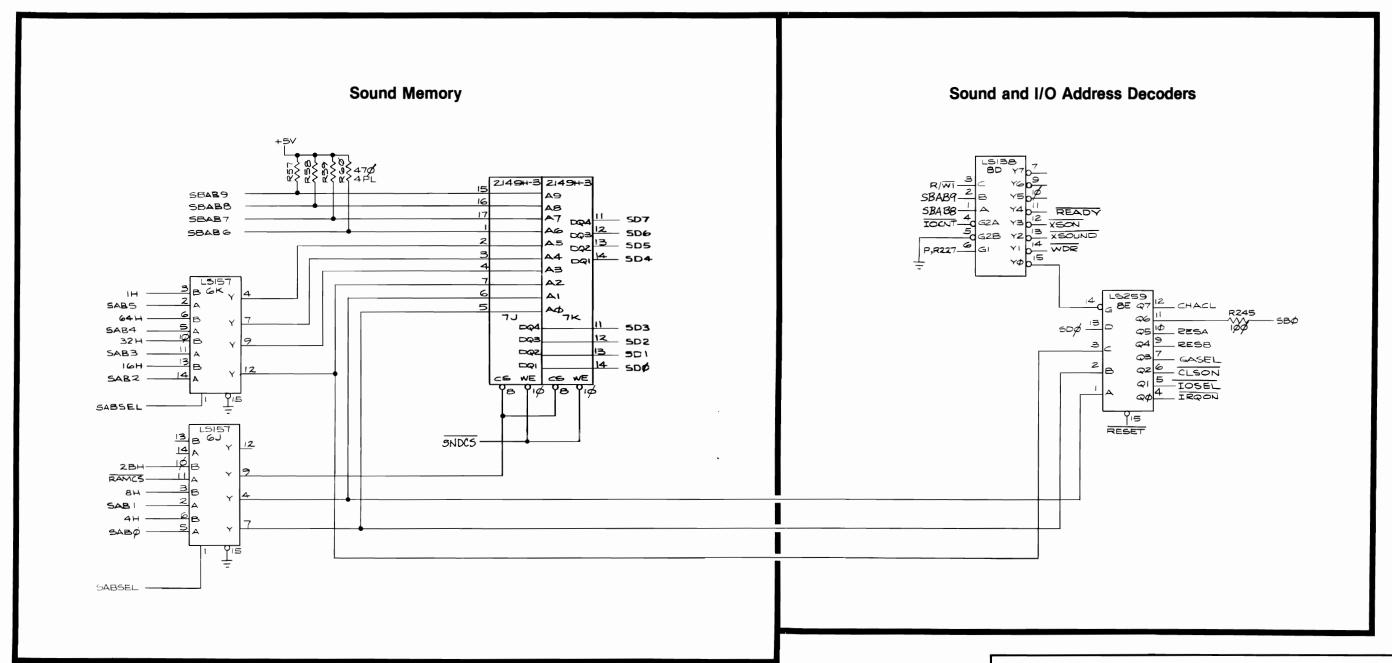
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Pole Position CPU PCB Schematic Diagram

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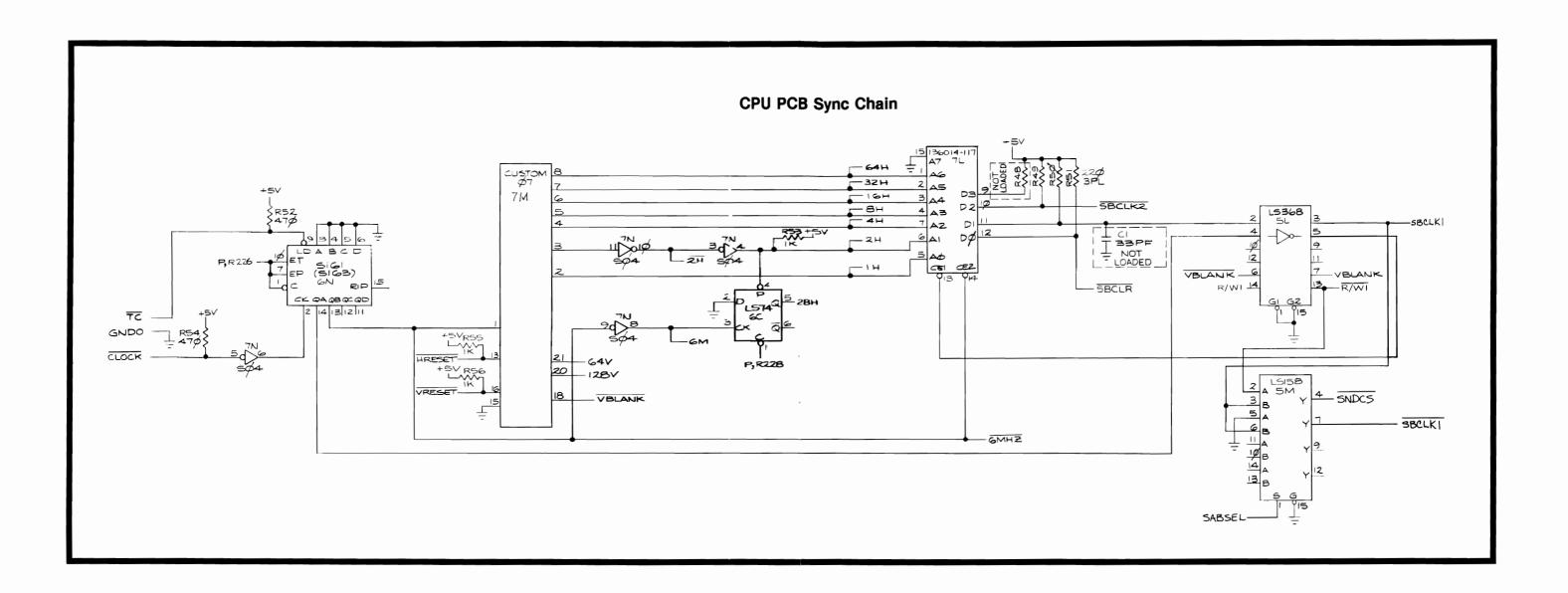




Pole Position CPU PCB Schematic Diagram

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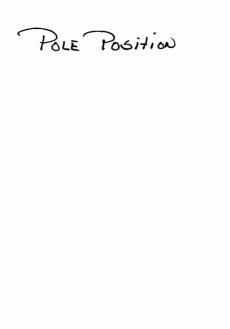
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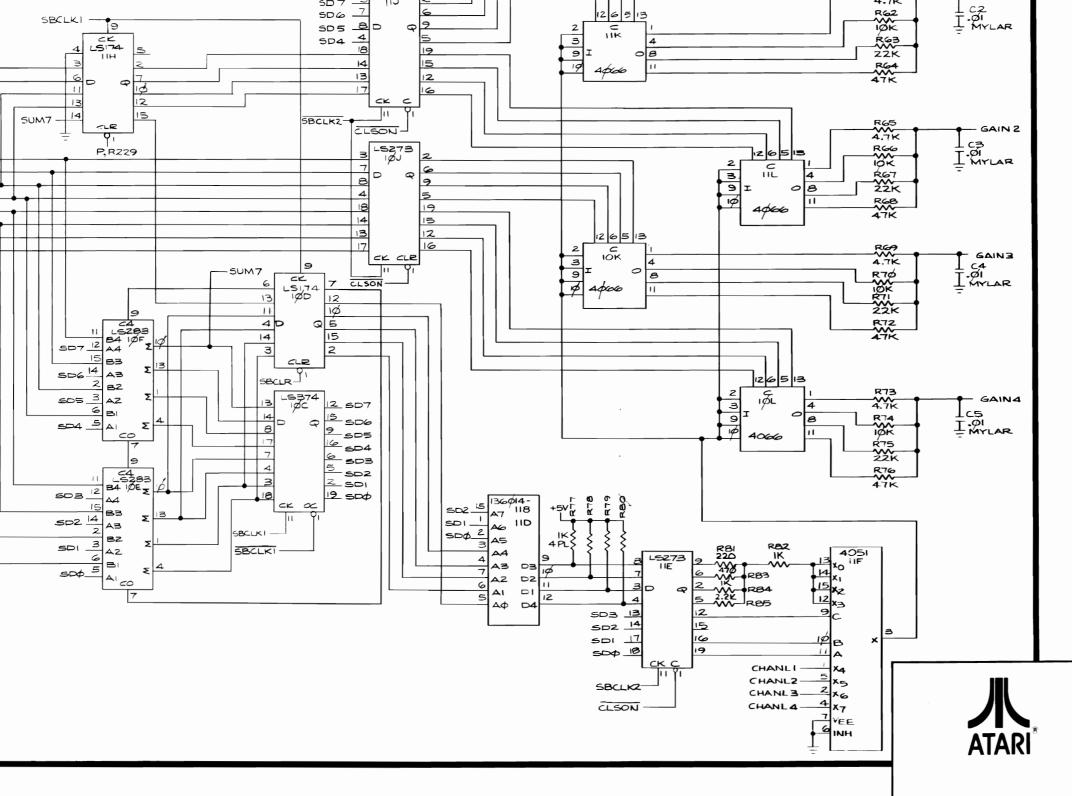




Pole Position CPU PCB Schematic Diagram

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Sound Buffers and Multiplexer

LS273

5D7

5D6

SBCLKI

SD6

SD5 5D4 503 18 SDZ SDI

P,R229

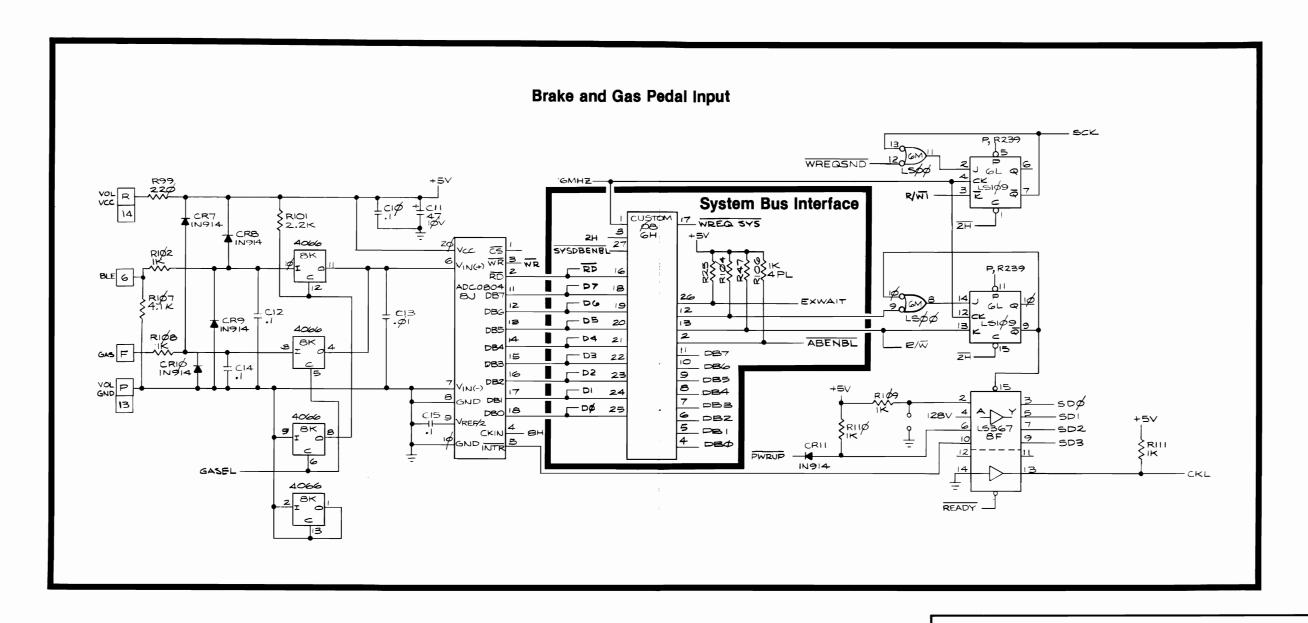
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GAIN I

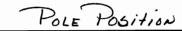
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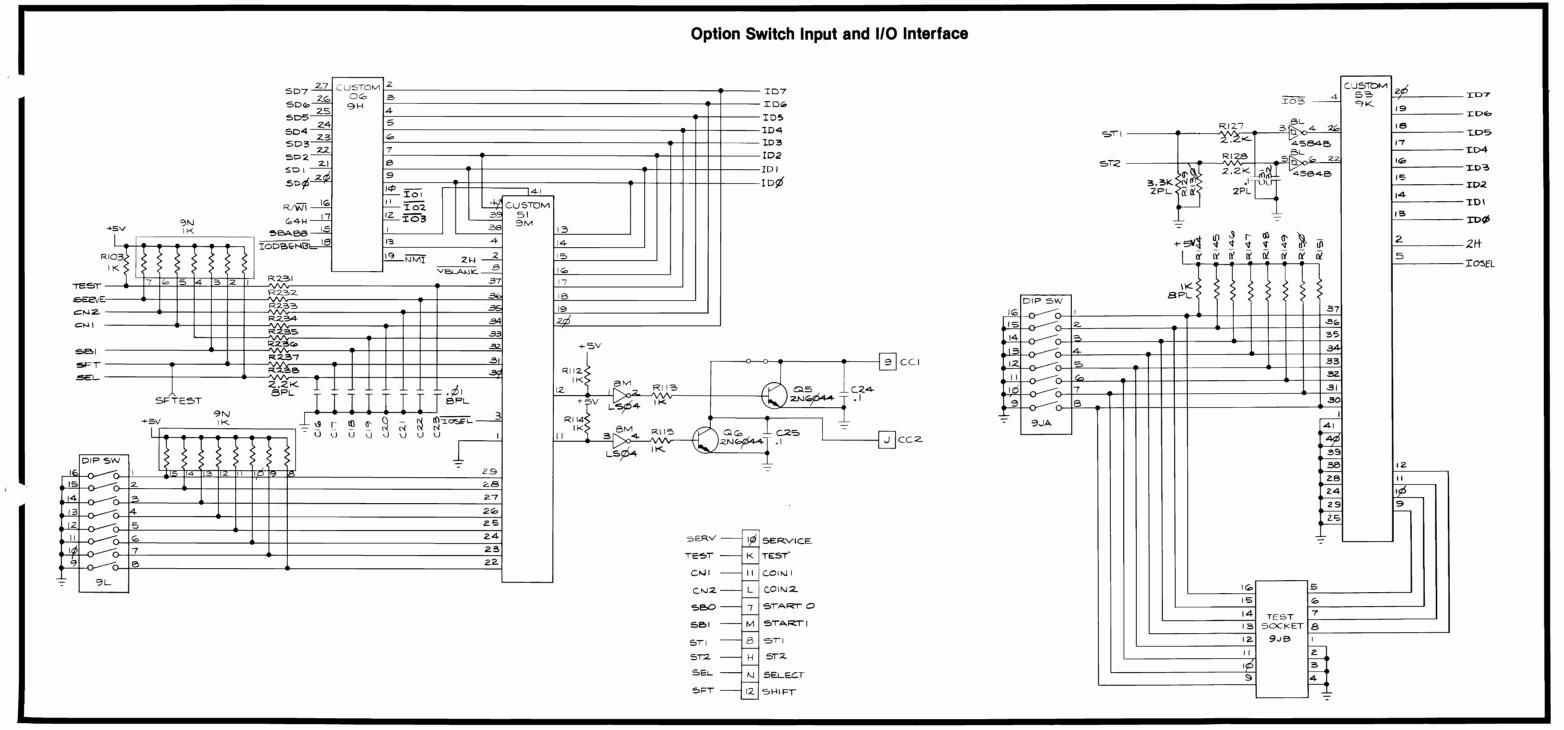




Pole Position CPU PCB Schematic Diagram

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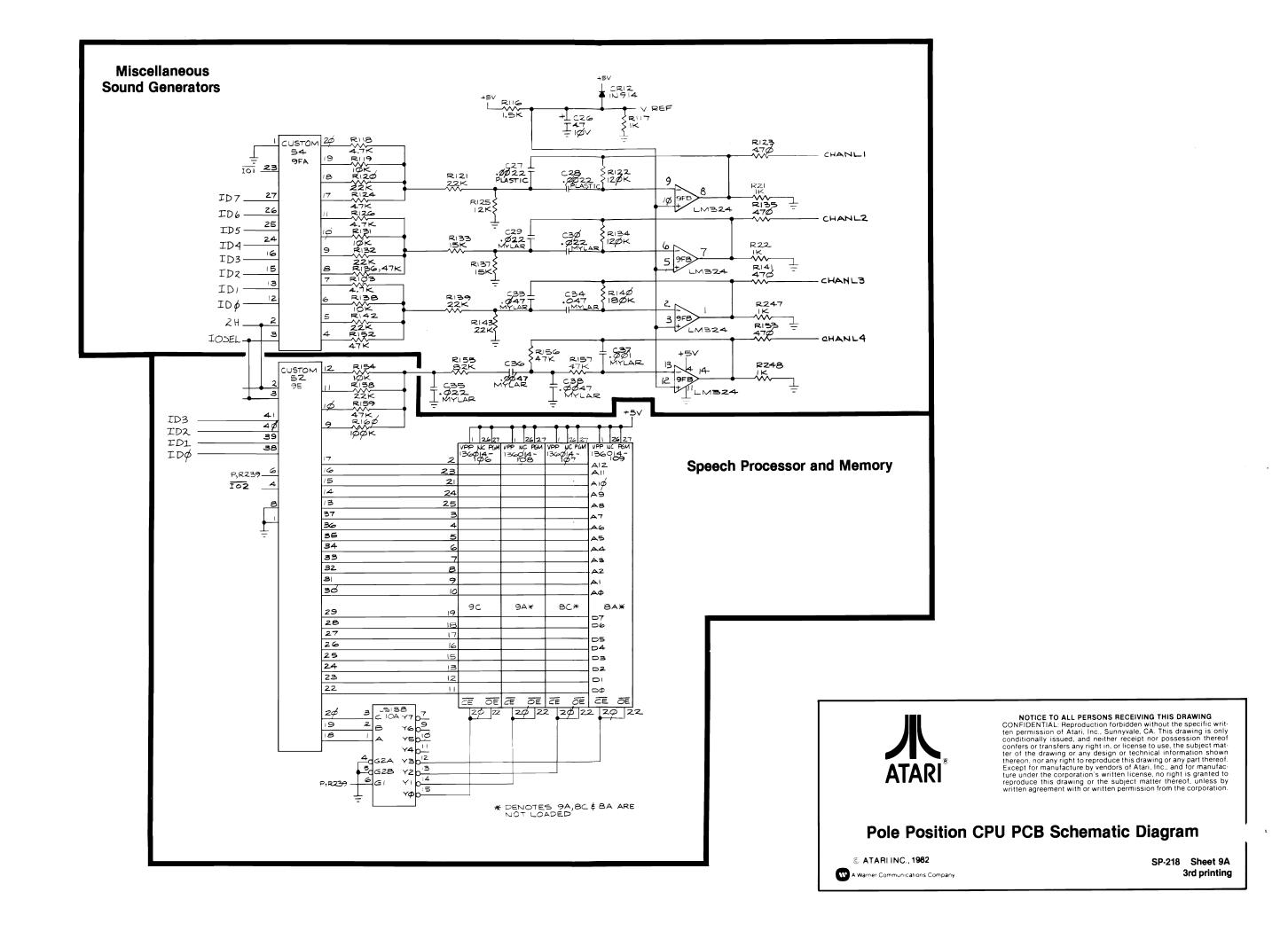


Pole Position CPU PCB Schematic Diagram

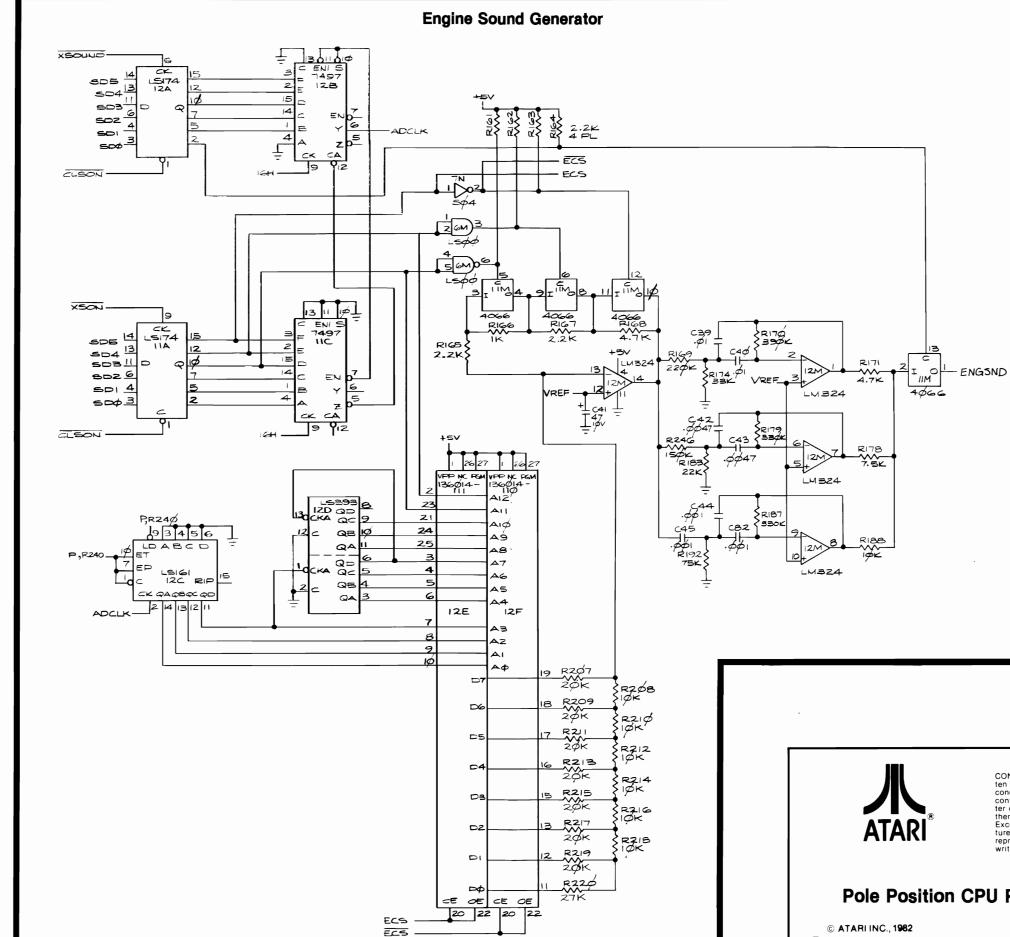
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POLE POSITION

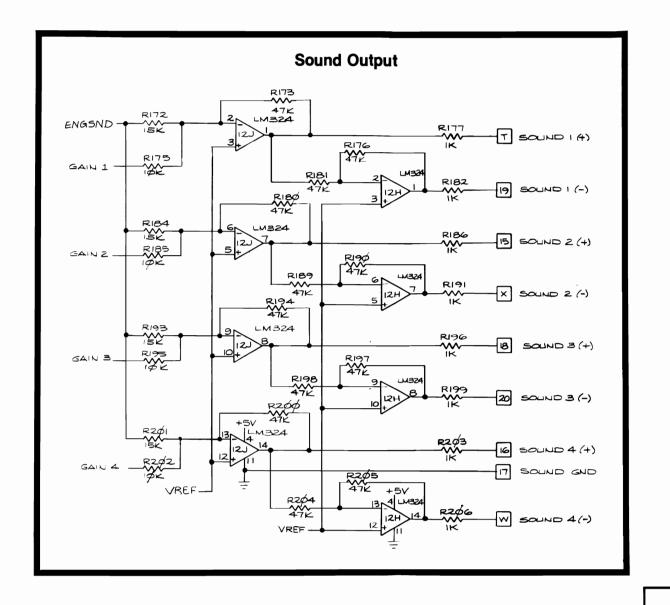


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Pole Position CPU PCB Schematic Diagram

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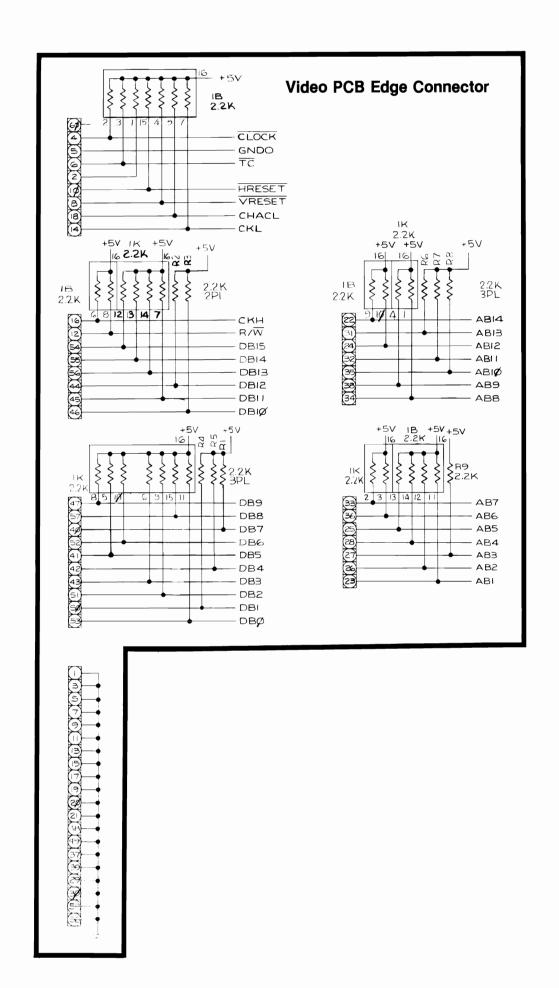
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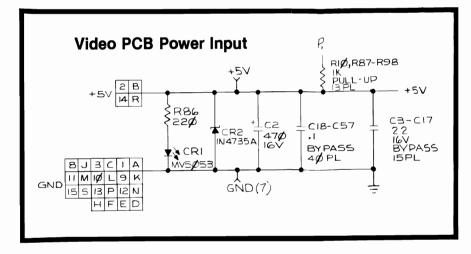


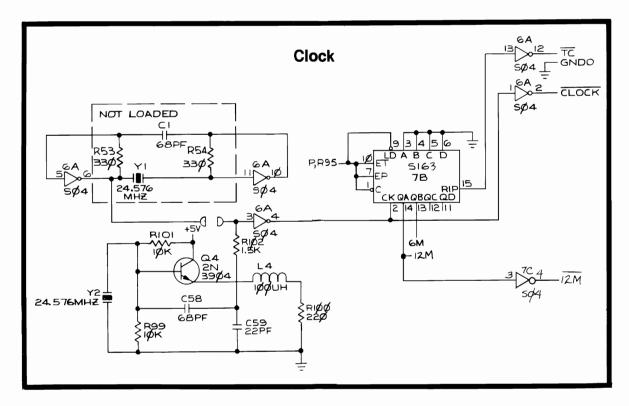
Pole Position CPU PCB Schematic Diagram

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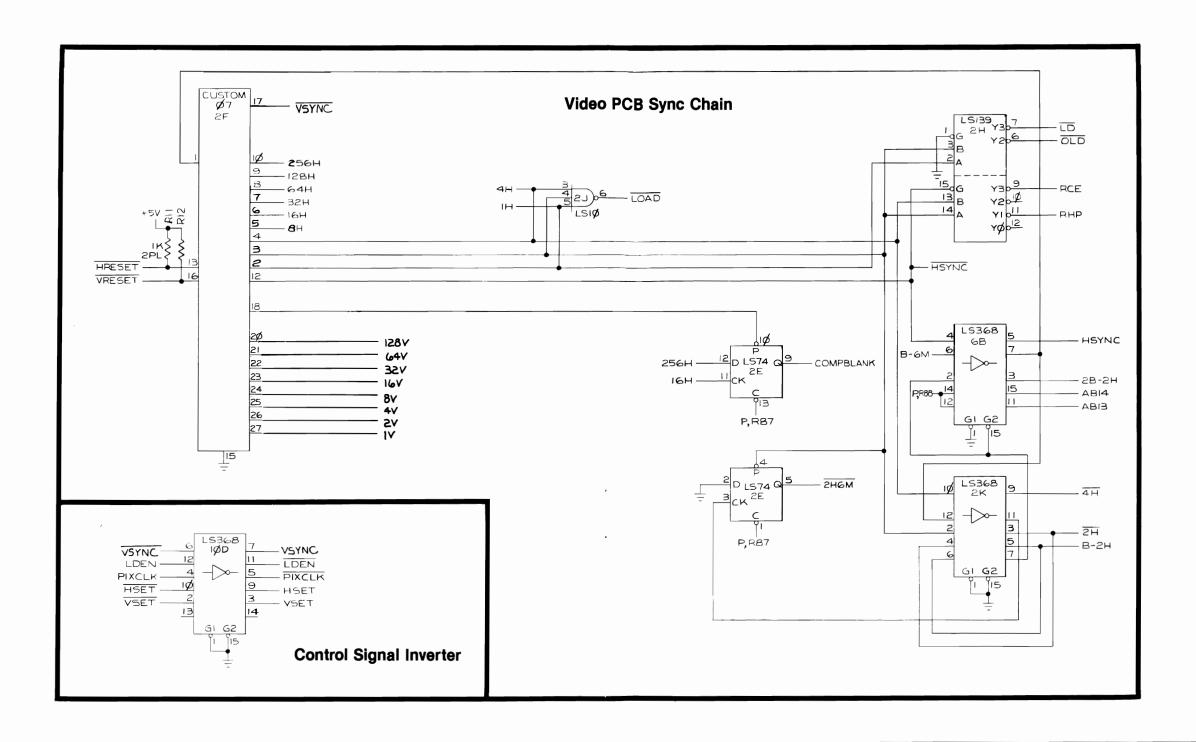




Pole Position Video PCB Schematic Diagram



SP-218 Sheet 10B 3rd printing



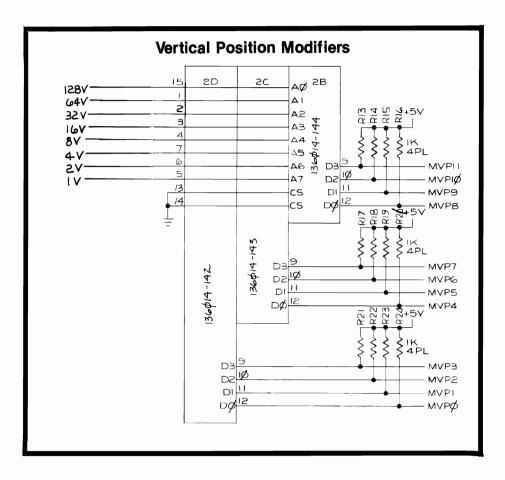


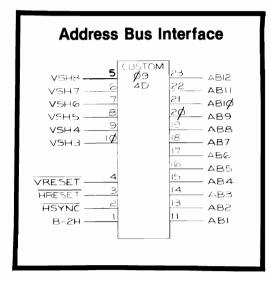
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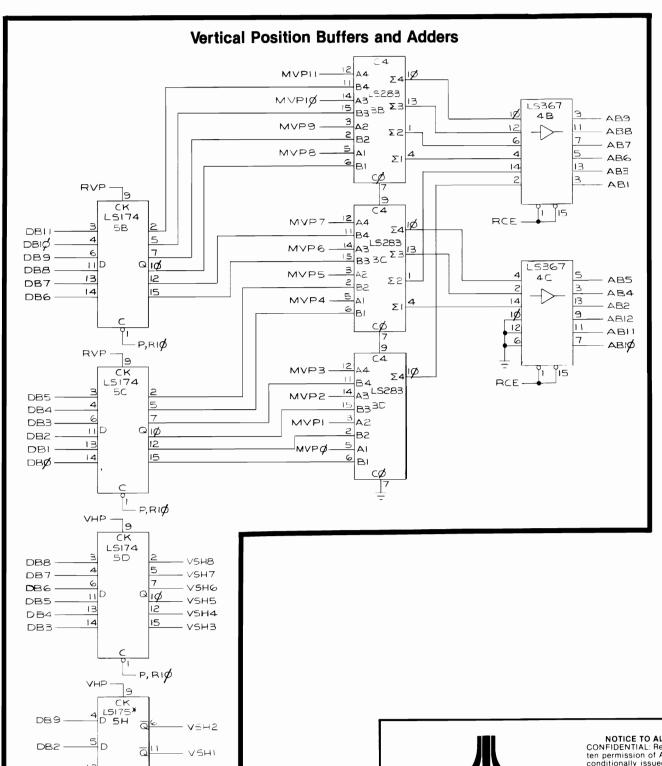
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DBI

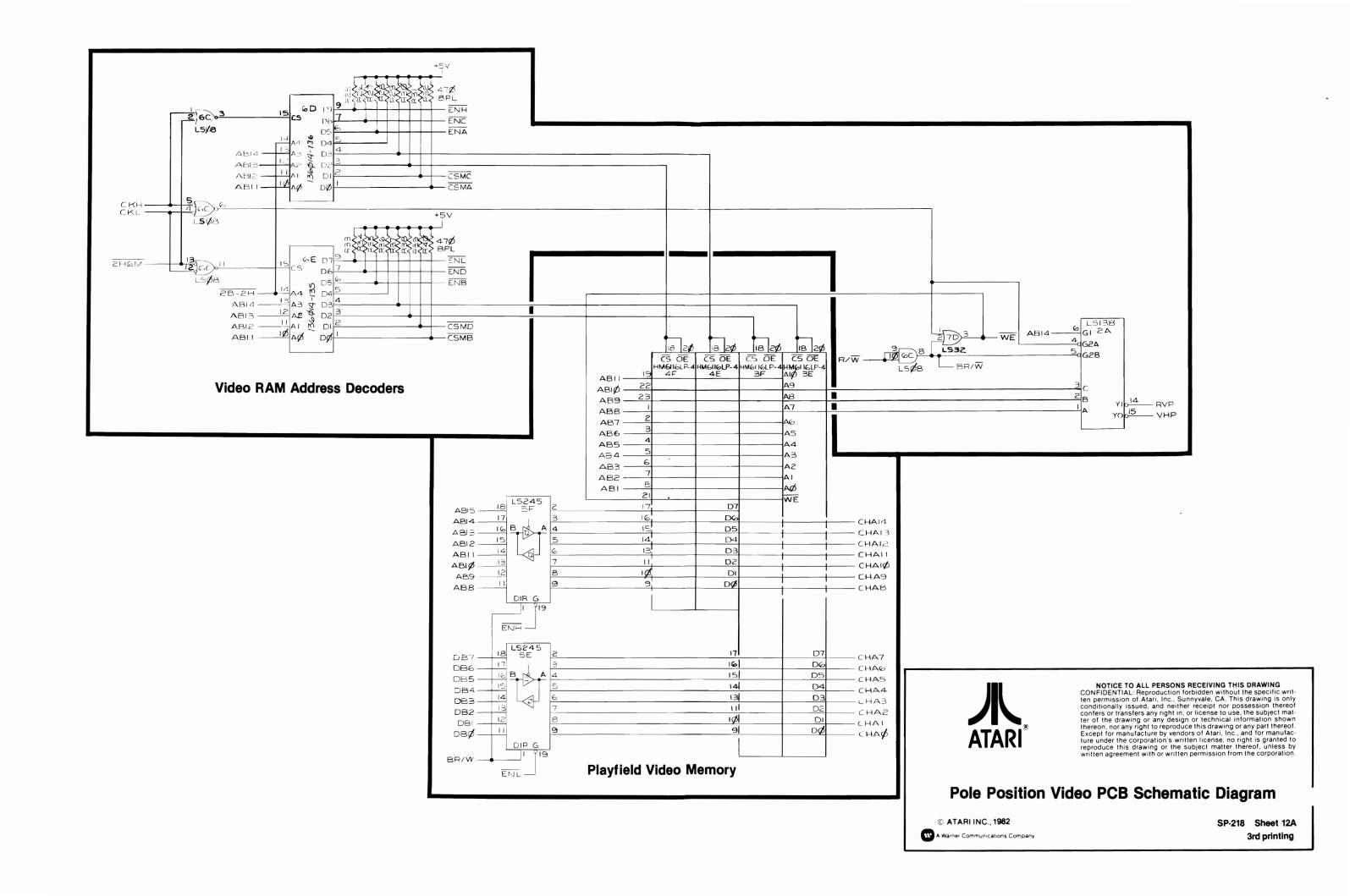
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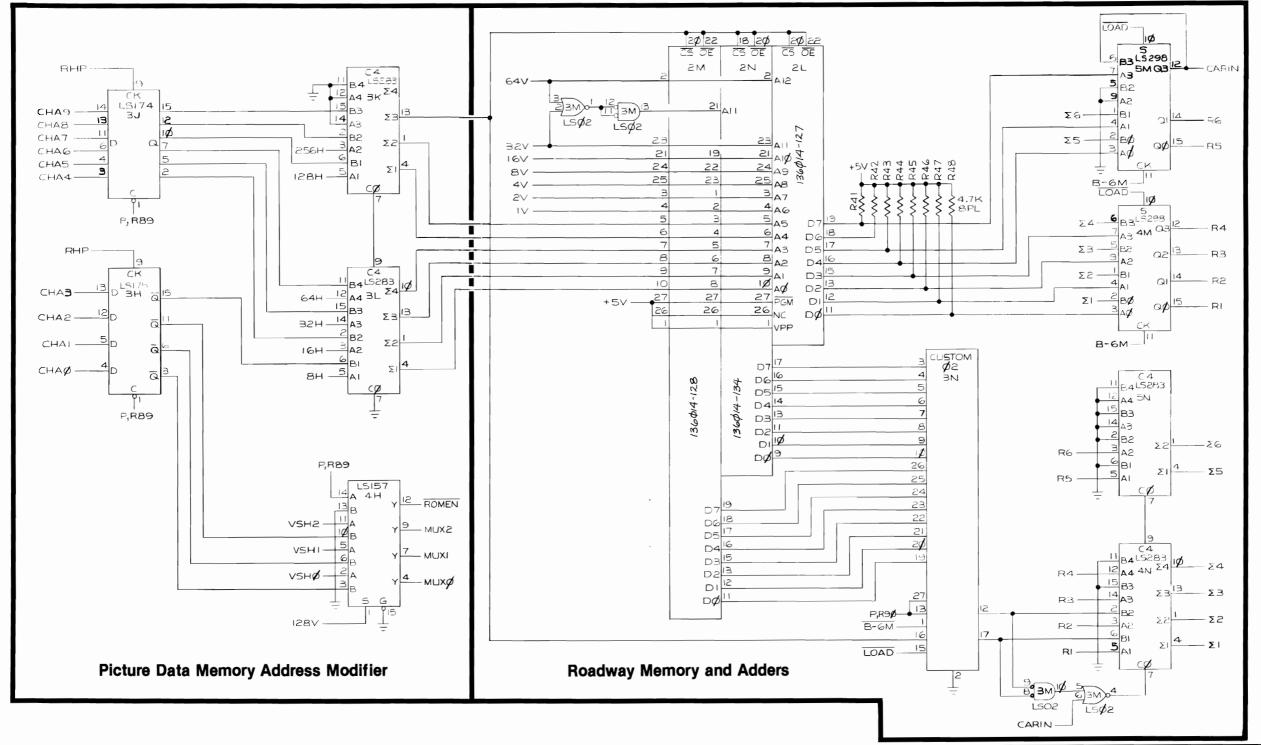
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Pole Position Video PCB Schematic Diagram

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POLE POSITION

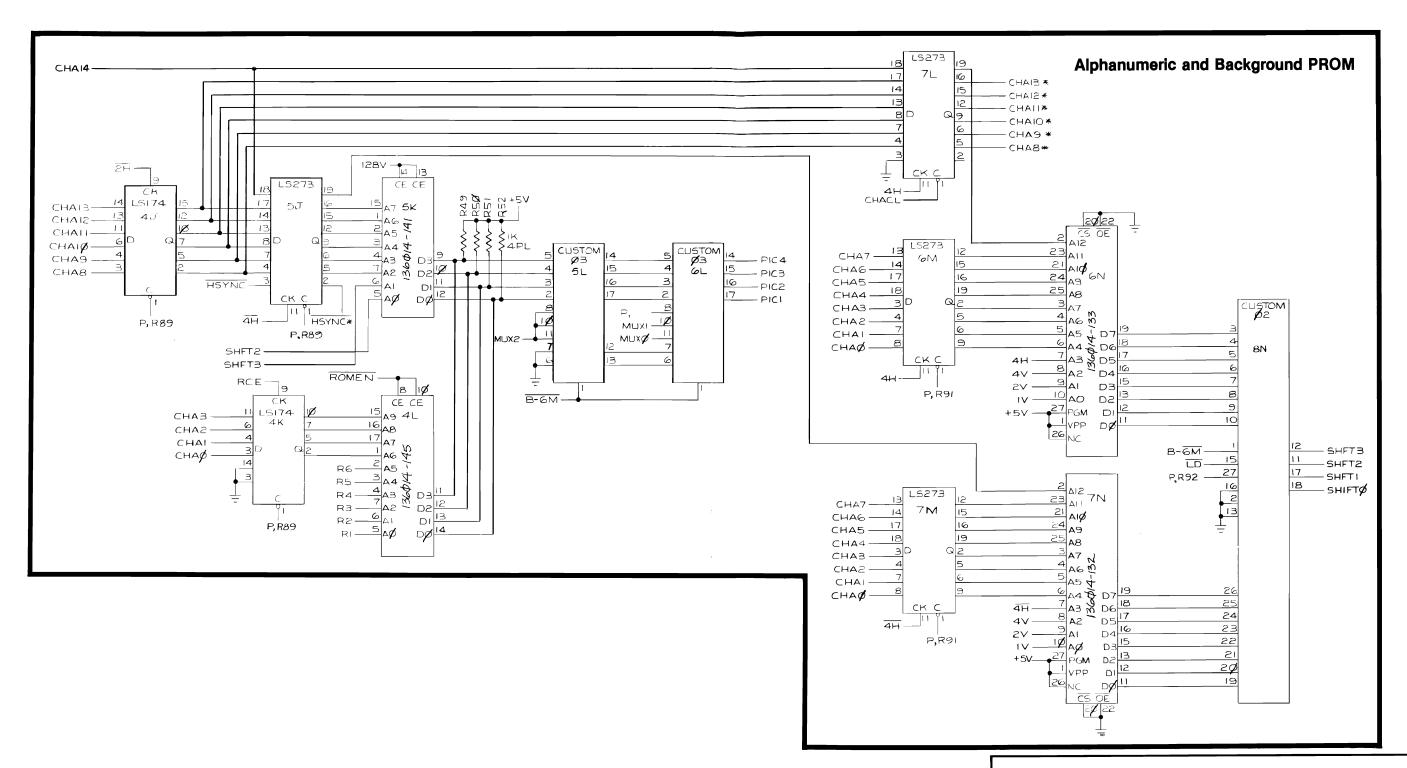




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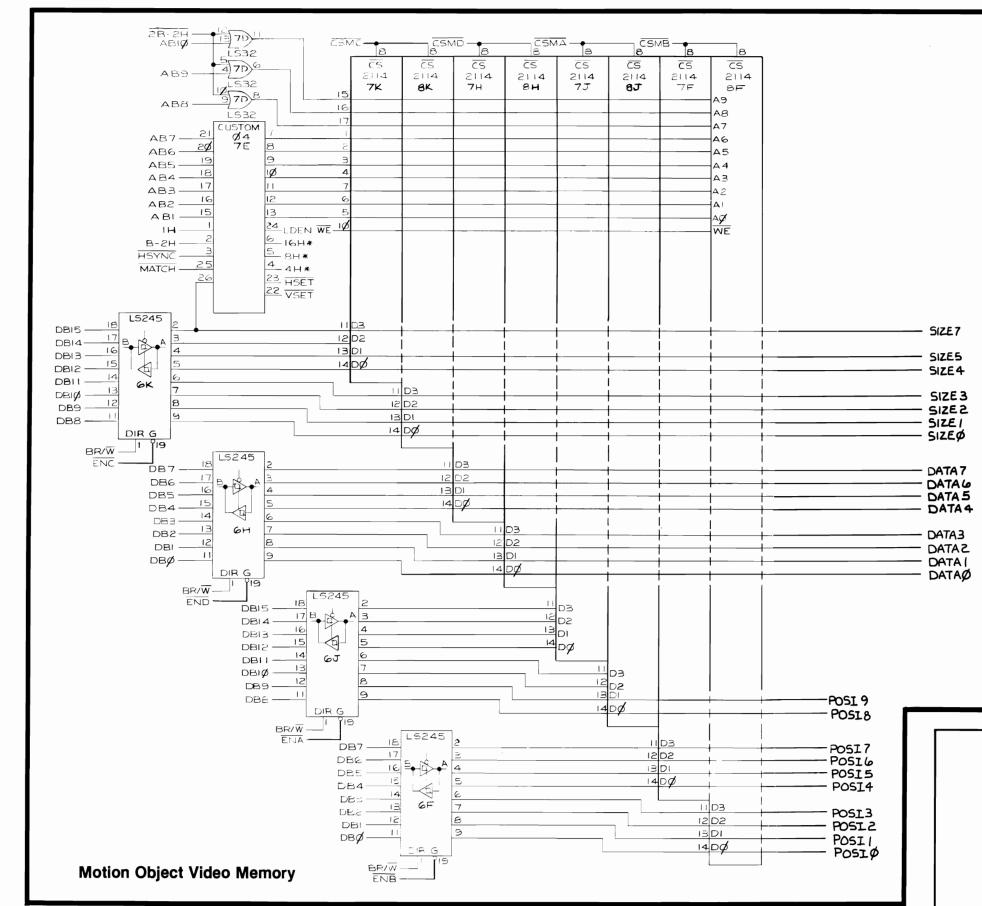


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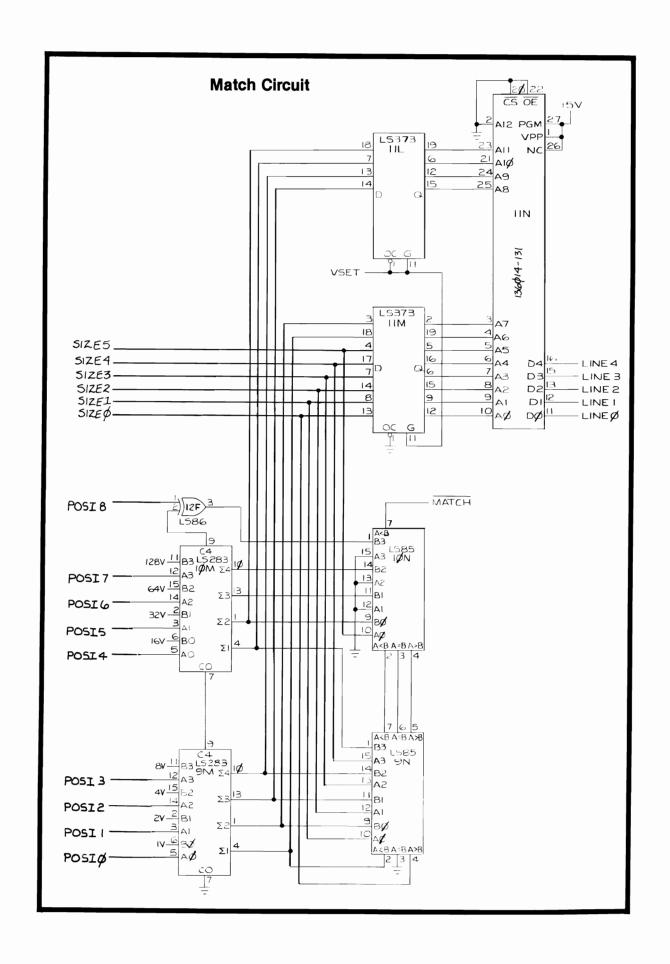


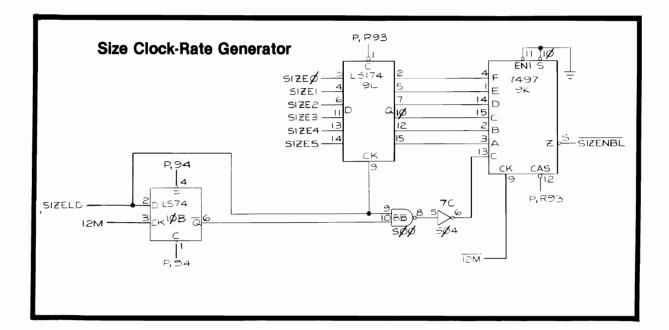
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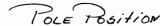


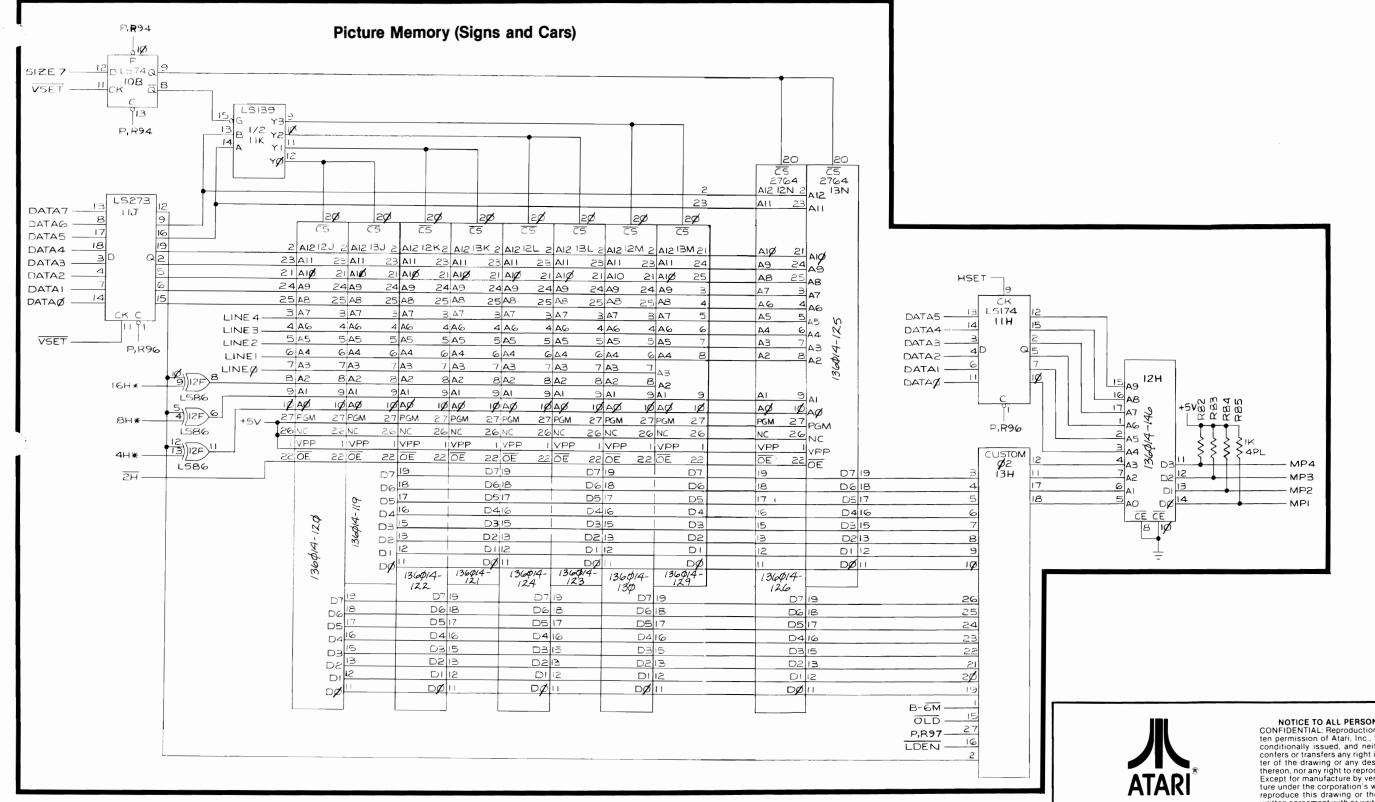


Pole Position Video PCB Schematic Diagram



SP-218 Sheet 14A 3rd printing

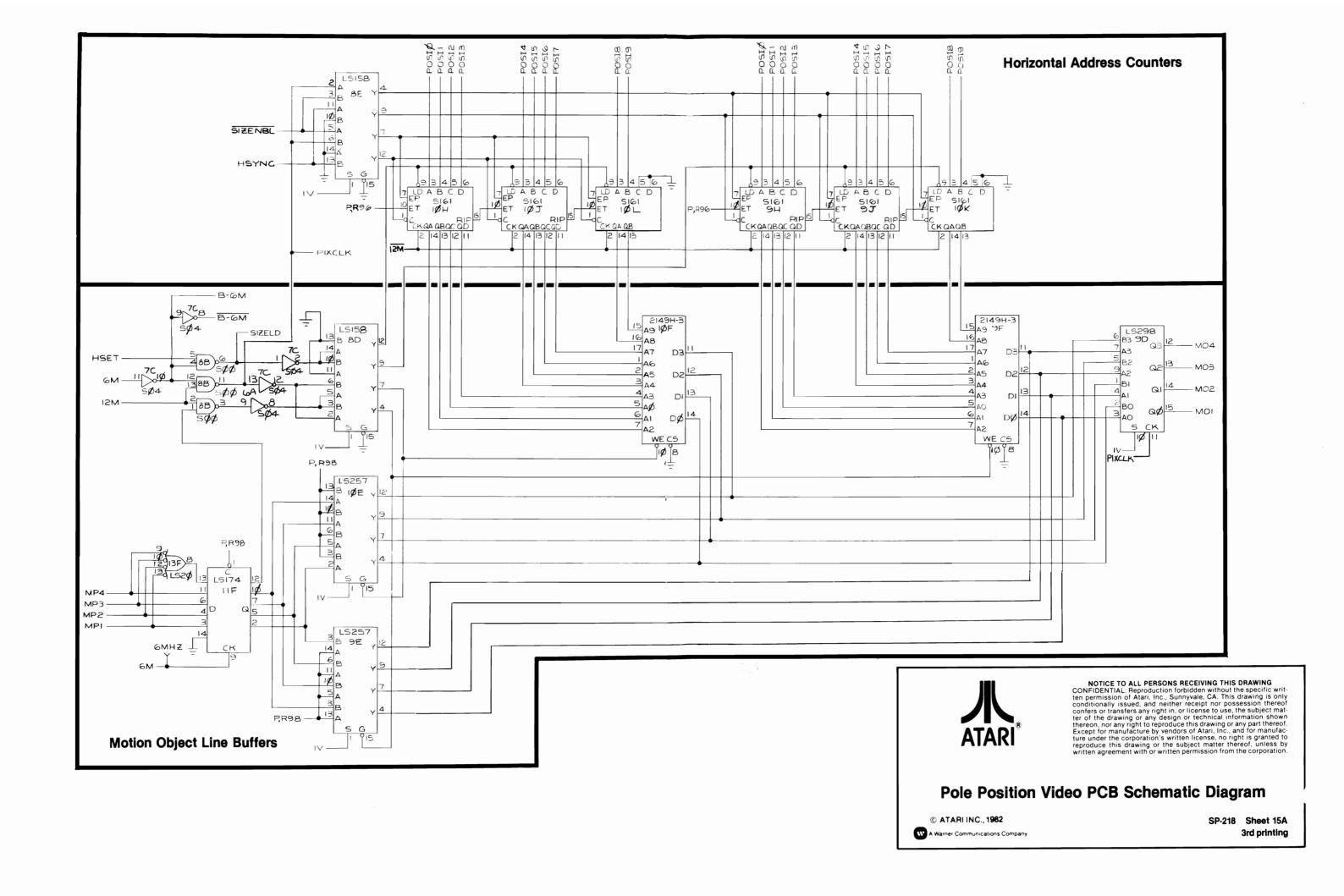


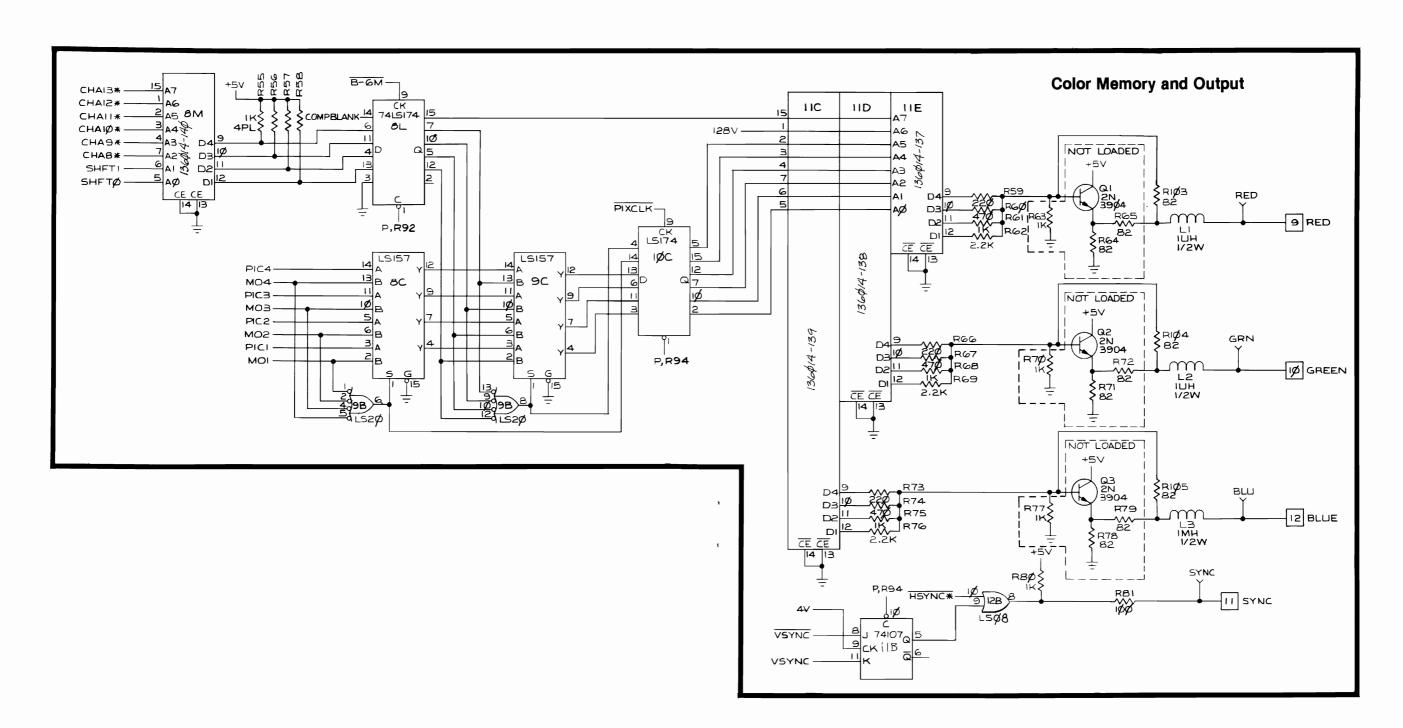


Pole Position Video PCB Schematic Diagram

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Pole Position Video PCB Schematic Diagram

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